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Notice of Allowability	Application No.	Applicant(s)
	10/623,026	LEE ET AL.
	Examiner	Art Unit
	Tuan V. Thai	2186
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>May 09, 2006</u> .		
2. A The allowed claim(s) is/are 1-18 and 20-28 renumbered as	1-5,7,6 and 8-27 respectively.	
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	been received.	
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or NOTICE OF tion is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") mus	at be submitted.	
(a) ☐ including changes required by the Notice of Draftspers		948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	,	Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawing the header according to 37 CFR 1.121(ngs in the front (not the back) of d).
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATERIAL REPORTED THE DEPOSIT OF BIOLOGICATION OF THE DEPOSIT OF THE DEP	nust be submitted. Note the AL MATERIAL.
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. □ Notice of Informal P	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	Paper No./Mail Dat 8), 7. ☐ Examiner's Amendr	nent/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme	ent of Reasons for Allowance
		PRIMARY EXAMINER

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Art Unit: 2186

Attorney's Docket No.: SUNMP232

IN THE UNITED STATES PATENT AND

TRADEMARK OFFICE

In re application of: Lee et al. Group: 2186

Serial No.: 10/623,026 Examiner: Tuan Thai

For: EFFICIENT UTILIZATION OF SHARED BUFFER MEMORY AND
METHOD FOR OPERATING THE SAME.

1. This action is responsive to communication filed on 5/9/2006. Claim 19 has been canceled. Claims 1-18 and 20-28 are now allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's Statement of Reasons for Allowance:

The prior arts of record do not teach or suggest, alone or in combination, **all** the limitations and the combination of elements and their functions of the amended claims of the current invention (claims 1, 12 and 20). The prior arts of record do not particularly disclose a memory/switch or a method for managing a memory comprising simultaneously receiving a number of inputs wherein each input representing a data stream

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to be stored in the memory/switch, distributing the data stream associated with each number of inputs across a number of memory banks in according with a set of single bit control signals, and a portion of data stream is stored in each of the number of memory banks as required to completely store the data stream, the prior art of record do not particularly disclose generating the set of single bit control signals such that a different one of the set of single bit control signals has a unique state for indicating which data stream is to have a portion of itself stored in particular memory bank in a given clock cycle; similarly for the apparatus claims 1 and 12. In light of the foregoing, claims 1, 12 and 20 of the present application are found to be patentable over the prior arts.

Claims 2-11, 13-18 and 21-28 further limit the allowable independent claims 1, 12 and 20. These claims are therefore allowable for the same reason as set forth above.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan V.

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Thai whose telephone number is (571)-272-4182. The examiner can normally be reached on from 6:30 A.M. to 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew M. Kim can be reached on (571)-272-4187. The fax phone number for the organization where this application or proceeding is assigned is 571-273-9300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TVT/July 19, 2006

PRIMARY EXAMINER

Group 2100